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| Substitutes for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/040,281 |
| | | | | Filing Date | 11/07/2001 |
| | | | | First Named Inventor | Browning, Jeffrey |
| | | | | Group Art Unit | TBD |
| | | | | Examiner Name | TBD |
| Sheet | 1 | of | 8 | Attorney Docket Number | B129USCP2DV2CO |

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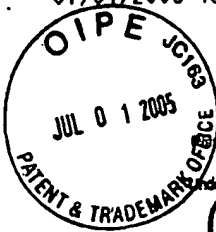
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/040,281 |
| | | Filing Date | 11/07/2001 |
| | | First Named Inventor | Browning, Jeffrey |
| | | Group Art Unit | TBD |
| | | Examiner Name | TBD |
| Sheet | 2 | of | 8 |
| | | Attorney Docket Number | B129USCP2DV2CO |

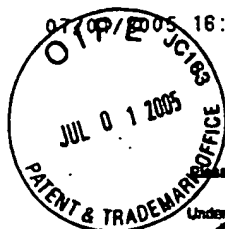
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| M | C1 | Y. Abe et al., "Expression of Membrane-Associated Lymphotoxin/Tumor Necrosis Factor-Beta on Human Lymphokine Killer Cells", Jpn. J. Canc. Res., 82, pp. 23-26, (1991). | |
| | C2 | Y. Abe et al., "Studies of Membrane-Associated and Soluble (Secreted) Lymphotoxin in Human Lymphokine-Activated T-Killer Cells in Vitro", Lymphokine and Cytokine Research, Vol. 11, pp. 115-121, (1992). | |
| | C3 | Abersold et al., "Internal Amino Acid Sequence Analysis of Proteins Separated by One- or Two-Dimensional Gel Electrophoresis After in situ Protease Digestion on Nitrocellulose", PNAS, Vol. 84, pp. 6970-6974, (1987). | |
| | C4 | B. Aggarwal et al., "Primary Structure of Human Lymphotoxin Derived from 1788 Lymphoblastoid Cell Lines", J. Biol. Chem., Vol. 260, No. 4, pp. 2334-2344, (1985). | |
| | C5 | M. Akashi et al., "Lymphotoxin: Stimulation and Regulation of Colony-Stimulating Factors in Fibroblasts", Blood, 74, No. 7, pp. 2383-2390, (1989). | |
| | C6 | W.F. Anderson, "Human Gene Therapy", Science, Vol. 256, pp. 808-813 (1992). | |
| | C7 | U. Anderson et al., "Characterization of Individual Tumor Necrosis Factor alpha- and beta-Producing Cells after Polyclonal T Cell Activation", J. of Immun. Meth., 123, pp. 239-240, (1989). | |
| | C8 | J.S. Andrews et al., "Characterization of the Receptor for Tumor Necrosis Factor (TNF) and Lymphotoxin (LT) on Human T Lymphocytes", J. Immun., Vol. 144, No. 7, pp. 2528-2591, (1990). | |
| | C9 | Androlewicz et al., "Lymphotoxin is Expressed as a Heteromeric Complex with a Distinct 33-kDa Glycoprotein on the Surface of an Activated Human T Cell Hybridoma", Journal of Biological Chemistry, 267, No. 4, pp. 2542-2547, (1992). | |
| | C10 | R. Armitage et al., "Molecular and Biological Characterization of a Murine Ligand for CD40", Nature, Vol. 357, pp. 80-82, (1992). | |
| | C11 | K. Badier et al., "TNF-alpha Gene Polymorphisms in Type 1 (Insulin-Dependent) Diabetes Mellitus", Diabetologia, 32, 443-448, (1989). | |

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| Substitute for form 1449B/PTO | | Complete If Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/040,281 | | |
| | | Filing Date | 11/07/2001 | | |
| | | First Named Inventor | Browning, Jeffrey | | |
| | | Group Art Unit | TBD | | |
| | | Examiner Name | TBD | | |
| Sheet | 3 | of | 8 | Attorney Docket Number | B129USCP2DV2CO |

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| M | C12 | B. Beutler et al., "The History, Properties, and Biological Effects of Cachectin", Biochemistry, Vol. 27, No. 20, pp. 7575-7582, (1988). | |
| | C13 | T. Bringman et al., "Monoclonal Antibodies to Human Tumor Necrosis Factor alpha and beta: Application for Affinity Purification, Immunoassays, and as Structural Probes", Hybridoma, 6, No. 5, pp. 489-507, (1987). | |
| | C14 | J. Browning et al., "Studies on the Differing Effects of Tumor Necrosis Factor and Lymphotoxin on the Growth of Several Human Tumor Lines", J. Immun., Vol. 143, No. 6, pp. 1859-1867, (1989). | |
| | C15 | J. Browning et al., "Lymphotoxin and an Associated 33-kDa Glycoprotein are Expressed on the Surface of an Activated Human T Cell Hybridoma", J. Immunol., Vol. 47, No. 4, pp. 1230-1237, (1991). | |
| | C16 | D. Cavender et al., "Endothelial Cell Activation Induced by Tumor Necrosis Factor and Lymphotoxin", Amer. J. Path., Vol. 134, No. 3, pp. 551-560, (1989). | |
| | C17 | R. Cotran et al., "Endothelial Activation, its Role in Inflammatory and Immune Reactions", Endothelial Cell Biology, pp. 335-347 (1988). | |
| | C18 | N. Dams et al., "Distinct Regulatory Effects of IL-4 and TNF-alpha during CD3-Dependent and CD3-Independent Initiation of Human T-Cell Activation", Lymph Res., Vol. 8, No. 2, pp. 85-97, (1989). | |
| | C19 | M. Eck et al., "The Structure of Tumor Necrosis Factor-alpha at 2.6A Resolution, Implications for Receptor Binding", J. Biological Chemistry, Vol. 264, No. 29, pp. 17595-17605 (1989). | |
| | C20 | M. Eck et al., "The Structure of Human Lymphotoxin (Tumor Necrosis Factor-beta) at 1.9-A Resolution", J. Biological Chemistry, Vol. 267, No. 4, pp. 2119-2122, (1992). | |
| | C21 | T. Farrar et al., "Emerging Cytokine Family", Nature, Vol. 358, p. 26, (1992). | |
| M | C22 | G. Fuh et al., "Rational Design of Potent Antagonists to the Human Growth Hormone Receptor", Science, Vol. 256, pp. 1677-1680, (1992). | |

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| | | | Filing Date | 11/07/2001 | |
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| | | | Group Art Unit | TBD | |
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| Sheet | 4 | of | 8 | Attorney Docket Number | B129USCP2DV2CO |

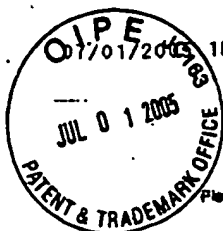
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| M | C23 | D. Goeddel et al., "Tumor Necrosis Factors: Gene Structure and Biological Activities", Cold Spring Harbor Symposia on Quant. Biol., pp. 597-609, (1986). | |
| | C24 | G.A. Granger et al., "Lymphocyte In Vitro Cytotoxicity: Mechanisms of Immune and Non-Immune Small Lymphocyte Mediated Target L Cell Destruction", Journ. of Immun., 101, No. 1, pp. 111-120, (1968). | |
| | C25 | P. Gray, "Molecular Characterization of Human Lymphotoxin", Lymphokines, Vol. 13, pp. 199-208, (1987). | |
| | C26 | P. Gray et al., "Cloning and Expression of cDNA for Human Lymphotoxin, A Lymphokine with Tumor Necrosis Activity", Nature, 312, pp. 721-724, (1984). | |
| | C27 | L. Green et al., "Cytotoxic Lymphokines Produced by Cloned Human Cytotoxic T Lymphocytes", J. of Immun., 135, No. 6, pp. 4034-4043, (1985). | |
| | C28 | L. Green et al., "Rapid Colorimetric Assay for Cell Viability: Application to the Quantitation of Cytotoxic and Growth Inhibitory Lymphokines", J. of Immun. Meth., 70, pp. 257-268, (1984). | |
| | C29 | J. Hiscrodt et al., "Identification of Membrane-Associated Lymphotoxin (LT) on Mitogen-Activated Human Lymphocytes Using Heterologous Anti-LT Antisera in Vitro", Cell. Immun., 34, pp. 326-339, (1977). | |
| | C30 | N. Itoh et al., "The Polypeptide Encoded by the cDNA for Human Cell Surface Antigen FAS can Mediate Apoptosis", Cell, Vol. 66, pp. 235-243, (1991). | |
| | C31 | E. Jones et al., "Structure of Tumor Necrosis Factor", Nature, 338, pp. 225-228, (1989). | |
| | C32 | A. Kasid et al., "Human Gene Transfer: Characterization of Human Tumor-Infiltrating Lymphocytes as Vehicles for Retrovirus-Mediated Gene Transfer in Man", Proc. Natl. Acad. Sci. USA, 87, pp. 473-477, (1990). | |
| | C33 | M. Kinkhabwala et al., "A Novel Addition to the T Cell Repertory", J. Exp. Med., Vol. 171, pp. 941-946, (1990). | |

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| | | Filing Date | 11/07/2001 | | |
| | | First Named Inventor | Browning, Jeffrey | | |
| | | Group Art Unit | TBD | | |
| | | Examiner Name | TBD | | |
| Sheet | 5 | of | 8 | Attorney Docket Number | B129USCP2DV2CO |

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| M | C34 | M. Kriegler et al., "A Novel Form of TNF/Cachectin is a Cell Surface Cytotoxic Transmembrane Protein: Ramifications for the Complex Physiology of TNF", Cell, Vol. 53, pp. 45-53, (1988). | |
| | C35 | Liang et al., "Production and Characterization of Monoclonal Antibodies Against Recombinant Human Tumor Necrosis Factor/Cachectin", Biochem. Biophys. Res. Comm., Vol. 137, No. 2, pp. 847-854, (1986). | |
| | C36 | C. Liu et al., "Identification, Isolation, and Characterization of a Novel Cytotoxin in Murine Cytolytic Lymphocytes", Cell, Vol. 51, pp. 393-403, (1987). | |
| | C37 | C. Liu et al., "Identification and Characterization of a Membrane-Bound Cytotoxin of Murine Cytolytic Lymphocytes that is Related to Tumor Necrosis Factor/Cachectin", Proc. Natl. Acad. Sci. USA, Vol. 86, pp. 3286-3290, (1989). | |
| | C38 | B. Luetig et al., "Evidence for the Existence of Two Forms of Membrane Tumor Necrosis Factor: An Integral Protein and a Molecule Attached to its Receptor", J. Immun., 143, pp. 4034-4038, (1989). | |
| | C39 | S. Mallett et al., "A New Superfamily of Cell Surface Proteins Related to the Nerve Growth Factor Receptor", Immunology Today, Vol. 12, No. 7, pp. 220-223, (1991). | |
| | C40 | L.J. Old, "Tumor Necrosis Factor (TNF)", Science, Vol. 230, pp. 630-632, (1985). | |
| | | N. Paul et al., "Lymphotoxin", Ann. Rev. Immunol., 6, pp. 407-438, (1988). | |
| | C41 | | |
| | C42 | N. Paul et al., "Lymphotoxin Activation by Human T-Cell Leukemia Virus Type I-Infected Cell Lines: Role NF-kB", J. Virol., Vol. 64, No. 11, pp. 5412-5419, (1990). | |
| | C43 | D. Pennica et al., "Human Tumor Necrosis Factor: Precursor Structure, Expression and Homology to Lymphotoxin", Nature, Vol. 312, pp. 724-729, (1984). | |
| | C44 | A. Peterson et al., "Monoclonal Antibody and Ligand Binding Sites of the T Cell Erythrocyte Receptor (CD2)", Nature, Vol. 329, pp. 842-846, (1987). | |

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| | | | Application Number | 10/040,281 | |
| Sheet | 6 | of | 8 | Filing Date | 11/07/2001 |
| | | | | First Named Inventor | Browning, Jeffrey |
| | | | | Group Art Unit | TBD |
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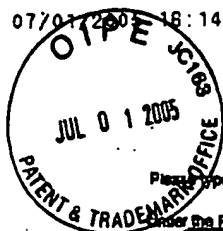
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| M | C45 | P. Pociot et al., "A Tumor Necrosis Factor beta Gene Polymorphism in Relation to Monokine Secretion and Insulin-Dependent Diabetes Mellitus", Scand. J. Immunol., 33, pp. 37-49, (1991). | |
| | C46 | G. Ranges et al., "Tumor Necrosis Factor-alpha as a Proliferative Signal for an IL-2 Dependent T Cell Line: Strict Species Specificity of Action". J. of Immun., Vol. 142, pp. 1203-1208, (1989). | |
| | C47 | G. Ranges et al., "Tumor Necrosis Factor alpha/Cachectin is a Growth Factor for Thymocytes", J. Exp. Med., Vol. 167, pp. 1472-1478, (1988). | |
| | C48 | O.D. Roodman et al., "Tumor Necrosis Factor-alpha and Hematopoietic Progenitors: Effects of Tumor Necrosis Factor on the Growth of Erythroid Progenitors CFU-E and BFU-E and Hematopoietic Cell Lines K562, HL60, and HEL Cells", Exp. Hematology, 15, pp. 928-935, (1987). | |
| | C49 | S. Rosenberg et al., "Use of Tumor-Infiltrating Lymphocytes and Interleukin-2 in the Immunotherapy of Patients with Metastatic Melanoma: A Preliminary Report", New Eng. Jour. of Med., Vol. 319, pp. 1676-1680, (1988). | |
| | C50 | N. Ruddle, "Lymphotoxin Redux", Immun. Today, 6, pp. 156-159, (1985). | |
| | C51 | N. Ruddle et al., "Cytotoxicity Mediated by Soluble Antigen and Lymphocytes in Delayed Hypersensitivity", J. Exp. Med., 128, pp. 1237-1279, (1968). | |
| | C52 | N. Ruddle et al., "The Role of Lymphotoxin in Inflammation", Prog. Allergy, Vol. 40, pp. 162-182, (1988). | |
| | C53 | K. Sastry et al., "HIV-1 tat Gene Induces Tumor Necrosis Factor-beta (Lymphotoxin) in a Human beta-Lymphoblastoid Cell Line", J. Biol. Chem., Vol. 265, No. 3, pp. 20091-20093, (1990). | |
| | C54 | T. Schall et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor", Cell, Vol. 61, pp. 361-370, (1990). | |
| M | C55 | P. Scheurich et al., "Immunoregulatory Activity of Recombinant Human Tumor Necrosis Factor (TNF)-alpha: Induction of TNF Receptors on Human T Cells and TNF-alpha-Mediated Enhancement of T Cell Responses", J. Immun., Vol. 138, pp. 1786-1790 (1987). | |

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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
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| M | C56 | M. Shalaby et al., "The Involvement of Human Tumor Necrosis Factors-alpha and beta in the Mixed Lymphocyte Reaction", J. Immun., Vol. 141, pp. 499-503, (1988). | |
| | C57 | M. Sigel et al., "Production of Antibodies by Inoculation into Lymph Nodes", Meth. in Enz., Vol. 93, pp. 3-12 (1983). | |
| | C58 | C. Smith et al., "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins", Science, 248, pp. 1019-1023, (1990). | |
| | C59 | D. Spriggs et al., "Tumor Necrosis Factor Expression in Human Epithelial Tumor Cell Lines", J. Clin. Invest., Vol. 81, pp. 455-460, (1988). | |
| | C60 | J. Tavernier et al., "Conserved Residues of Tumor Necrosis Factor and Lymphotoxin Constitute the Framework of the Trimeric Structure", Fed. Eur. Biochem. Soc. Letters, Vol. 257, No. 2, pp. 315-318, (1989). | |
| | C61 | H. Thomas et al., "Biological Approaches to Cancer Therapy", J. Int. Med. Res., 17, pp. 191-204 (1989). | |
| | C62 | M. Turner et al., "Human T Cells from Autoimmune and Normal Individuals can Produce Tumor Necrosis Factor", Eur. J. Immun., 17, pp. 1807-1814 (1987). | |
| | C63 | E. Tschachler et al., "Human Retrovirology: Constitutive Expression of Lymphotoxin (Tumor Necrosis Factor beta) in HTLV-I-Infected Cell Lines", Raven Press, pp. 105-113, (1990). | |
| | C64 | R. Watanabe-Fukunaga et al., "Lymphoproliferation Disorder in Mice Explained by Defects in Fas Antigen that Mediates Apoptosis", Nature, 356, pp. 314-317, (1992). | |
| | C65 | C. Ware et al., "Mechanisms of Lymphocyte-Mediated Cytotoxicity", J. Immun., Vol. 126, pp. 1927-1933, (1981). | |
| | C66 | C. Ware et al., "Human T Cell Hybridomas Producing Cytotoxic Lymphotoxins: Induction of Lymphotoxin Release and Killer Cell Activity by Anti-CD3 Monoclonal Antibody or Lectins and Phorbol Ester", Lymphokine Res., Vol. 5, No. 4, pp. 313-324, (1986). | |

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First Named Inventor

Browning, Jeffrey

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| | | | | Art Unit | 1635 |
| | | | | Examiner Name | Sean McGarry |
| Sheet | 1 | of | 5 | Attorney Docket Number | BGN-B129CP2D2CN RCE |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| JMA | A1 | 4,338,397 | 07-06-1982 | Gilbert, <i>et al.</i> | |
| | A2 | 4,758,549 | 07-19-1988 | Mitsubishi, <i>et al.</i> | |
| | A3 | 4,822,605 | 04-18-1989 | Powell | |
| | A4 | 4,849,509 | 07-18-1989 | Thurin, <i>et al.</i> | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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| JMA | B1 | EP 0367575 | 05-09-1990 | Sankyo Company | | |

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| M | C1 | Abe, Y., <i>et al.</i> "Expression of membrane-associated lymphotoxin/tumor necrosis factor-beta on human lymphokine-activated killer cells." <i>Jpn J Cancer Res.</i> 1991 Jan; 82(1):23-6. | | |
| | C2 | Abe, Y., <i>et al.</i> "Studies of membrane-associated and soluble (secreted) lymphotoxin in human lymphokine-activated T-killer cells in vitro." <i>Lymphokine Cytokine Res.</i> 1992 Apr; 11(2):115-21. | | |
| | C3 | Abersold, <i>et al.</i> "Internal amino acid sequence analysis of proteins separated by one- or two-dimensional gel electrophoresis after in situ protease digestion on nitrocellulose." <i>PNAS.</i> 1987; 84:6970-4. | | |
| | C4 | Aggarwal, B.B., <i>et al.</i> "Primary structure of human lymphotoxin derived from 1788 lymphoblastoid cell line." <i>J Biol Chem.</i> 1985 Feb 25; 260(4):2334-44. | | |
| | C5 | Akashi, M., <i>et al.</i> "Lymphotoxin: stimulation and regulation of colony-stimulating factors in fibroblasts." <i>Blood.</i> 1989 Nov 15; 74(7):2383-90. | | |
| | C6 | Anderson, W.F. "Human gene therapy." <i>Science.</i> 1992 May 8; 256(5058):808-13. | | |
| | C7 | Anderson, U., <i>et al.</i> "Characterization of individual tumor necrosis factor alpha- and beta-producing cells after polyclonal T cell activation." <i>J. of Immun. Meth.</i> 1989; 123:233-40. | | |
| | C8 | Andrews, J.S., <i>et al.</i> "Characterization of the receptor for tumor necrosis factor (TNF) and lymphotoxin (LT) on human T lymphocytes." <i>J Immunol.</i> 1990 Apr 1; 144(7):2582-91. | | |
| M | C9 | Androlewicz, M.J., <i>et al.</i> "Lymphotoxin is expressed as a heteromeric complex with a distinct 33-kDa glycoprotein on the surface of an activated human T cell hybridoma." <i>J Biol Chem.</i> 1992 Feb 5; 267(4):2542-7. | | |

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| M | C10 | Armitage, R.J., et al. "Molecular and biological characterization of a murine ligand for CD40." <i>Nature</i> . 1992 May 7; 357(6373):80-2. | | |
| | C11 | Badenhoop, K., et al. "TNF-alpha gene polymorphisms in type 1 (insulin-dependent) diabetes mellitus." <i>Diabetologia</i> . 1989 Jul; 32(7):445-8. | | |
| | C12 | Beutler, B., et al. "The history, properties, and biological effects of cachectin." <i>Biochemistry</i> . 1988 Oct 4; 27(20):7575-82. | | |
| | C13 | Bringingman, T.S., et al. "Monoclonal antibodies to human tumor necrosis factors alpha and beta: application for affinity purification, immunoassays, and as structural probes." <i>Hybridoma</i> . 1987 Oct; 6(5):489-507. | | |
| | C14 | Browning, J.L., et al. "Studies on the differing effects of tumor necrosis factor and lymphotoxin on the growth of several human tumor lines." <i>J Immunol</i> . 1989 Sep 15; 143(6):1859-67. | | |
| | C15 | Browning, J.L., et al. "Lymphotoxin and an associated 33-kDa glycoprotein are expressed on the surface of an activated human T cell hybridoma." <i>J Immunol</i> . 1991 Aug 15; 147(4):1230-7. | | |
| | C16 | Cavender, D.E., et al. "Endothelial cell activation induced by tumor necrosis factor and lymphotoxin." <i>Am J Pathol</i> . 1989 Mar; 134(3):551-60. | | |
| | C17 | Cotran, R.S., et al. "Endothelial activation, its role in inflammatory and immune reactions." <i>Endothelial Cell Biology</i> . 1988; 335-47. | | |
| | C18 | Damle, N.K., et al. "Distinct regulatory effects of IL-4 and TNF-alpha during CD3-dependent and CD3-independent initiation of human T-cell activation." <i>Lymphokine Res</i> . 1989; 8(2):85-97. | | |
| | C19 | Eck, M.J., et al. "The structure of tumor necrosis factor-alpha at 2.6 A resolution. Implications for receptor binding." <i>J Biol Chem</i> . 1989 Oct 15; 264(29):17595-605. | | |
| | C20 | Eck, M.J., et al. "The structure of human lymphotoxin (tumor necrosis factor-beta) at 1.9-A resolution." <i>J Biol Chem</i> . 1992 Feb 5; 267(4):2119-22. | | |
| | C21 | Farrah, T., et al. "Emerging cytokine family." <i>Nature</i> . 1992 Jul 2; 358(6381):26. | | |
| | C22 | Fuh, G., et al. "Rational design of potent antagonists to the human growth hormone receptor." <i>Science</i> . 1992 Jun 19; 256(5064):1677-80. | | |
| | C23 | Goeddel, D.V., et al. "Tumor necrosis factors: gene structure and biological activities." <i>Cold Spring Harb Symp Quant Biol</i> . 1986; 51:597-609. | | |
| | C24 | Granger, G.A., et al. "Lymphocyte in vitro cytotoxicity: mechanisms of immune and non-immune small lymphocyte mediated target L cell destruction." <i>J Immunol</i> . 1968 Jul; 101(1):111-20. | | |
| | C25 | Gray, P.W. "Molecular characterization of human lymphotoxin." <i>Lymphokines</i> . 1987; 13:199-208. | | |
| | C26 | Gray, P.W., et al. "Cloning and expression of cDNA for human lymphotoxin, a lymphokine with tumour necrosis activity." <i>Nature</i> . 1984 Dec 20-1985 Jan 2; 312(5996):721-4. | | |
| | C27 | Green, L.M., et al. "Cytotoxic lymphokines produced by cloned human cytotoxic T lymphocytes. I. Cytotoxins produced by antigen-specific and natural killer-like CTL are dissimilar to classical lymphotoxins." <i>J Immunol</i> . 1985 Dec; 135(6):4034-43. | | |
| M | C28 | Green, L.M., et al. "Rapid colorimetric assay for cell viability: application to the quantitation of cytotoxic and growth inhibitory lymphokines." <i>J Immunol Methods</i> . 1984 May 25; 70(2):257-68. | | |
| Examiner Signature | | | Date Considered | 8/31/05 |



PTO/SB/08a/b (08-03)
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| M | C29 | Hiserodt, J.C., <i>et al.</i> "Identification of membrane-associated lymphotoxin (LT) on mitogen-activated human lymphocytes using heterologous anti-LT antisera in vitro." <i>Cell Immunol.</i> 1977 Dec; 34(2):326-39. | |
| | C30 | Itoh, N., <i>et al.</i> "The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis." <i>Cell.</i> 1991 Jul 26; 66(2):233-43. | |
| | C31 | Jones, E.Y., <i>et al.</i> "Structure of tumour necrosis factor." <i>Nature.</i> 1989 Mar 16; 338(6212):225-8. | |
| | C32 | Kasid, A., <i>et al.</i> "Human gene transfer: characterization of human tumor-infiltrating lymphocytes as vehicles for retroviral-mediated gene transfer in man." <i>Proc Natl Acad Sci USA.</i> 1990 Jan; 87(1):473-7. | |
| | C33 | Kinkhabwala, M., <i>et al.</i> "A novel addition to the T cell repertory. Cell surface expression of tumor necrosis factor/cachectin by activated normal human T cells." <i>J Exp Med.</i> 1990 Mar 1; 171(3):941-6. | |
| | C34 | Kriegler, M., <i>et al.</i> "A novel form of TNF/cachectin is a cell surface cytotoxic transmembrane protein: ramifications for the complex physiology of TNF." <i>Cell.</i> 1988 Apr 8; 53(1):45-53. | |
| | C35 | Liang, C.M., <i>et al.</i> "Production and characterization of monoclonal antibodies against recombinant human tumor necrosis factor/cachectin." <i>Biochem Biophys Res Commun.</i> 1986 Jun 13; 137(2):847-54. | |
| | C36 | Liu, C.C., <i>et al.</i> "Identification, isolation, and characterization of a novel cytotoxin in murine cytolytic lymphocytes." <i>Cell.</i> 1987 Nov 6; 51(3):393-403. | |
| | C37 | Liu, C.C., <i>et al.</i> "Identification and characterization of a membrane-bound cytotoxin of murine cytolytic lymphocytes that is related to tumor necrosis factor/cachectin." <i>Proc Natl Acad Sci USA.</i> 1989 May; 86(9):3286-90. | |
| | C38 | Luetting, B., <i>et al.</i> "Evidence for the existence of two forms of membrane tumor necrosis factor: an integral protein and a molecule attached to its receptor." <i>J Immunol.</i> 1989 Dec 15; 143(12):4034-8. | |
| | C39 | Mallett, S., <i>et al.</i> "A new superfamily of cell surface proteins related to the nerve growth factor receptor." <i>Immunol Today.</i> 1991 Jul; 12(7):220-3. | |
| | C40 | Old, L.J. "Tumor necrosis factor (TNF)." <i>Science.</i> 1985 Nov 8; 230(4726):630-2. | |
| | C41 | Paul, N.L., <i>et al.</i> "Lymphotoxin." <i>Annu Rev Immunol.</i> 1988; 6:407-38. | |
| | C42 | Paul, N.L., <i>et al.</i> "Lymphotoxin activation by human T-cell leukemia virus type I-infected cell lines: role for NF-kappa B." <i>J Virol.</i> 1990 Nov; 64(11):5412-9. | |
| | C43 | Pennica, D., <i>et al.</i> "Human tumour necrosis factor: precursor structure, expression and homology to lymphotoxin." <i>Nature.</i> 1984 Dec 20-1985 Jan 2; 312(5996):724-9. | |
| | C44 | Peterson, A., <i>et al.</i> "Monoclonal antibody and ligand binding sites of the T cell erythrocyte receptor (CD2)." <i>Nature.</i> 1987 Oct 29-Nov 4; 329(6142):842-6. | |
| | C45 | Pociot, F., <i>et al.</i> "A tumour necrosis factor beta gene polymorphism in relation to monokine secretion and insulin-dependent diabetes mellitus." <i>Scand J Immunol.</i> 1991 Jan; 33(1):37-49. | |
| M | C46 | Ranges, G.E., <i>et al.</i> "Tumor necrosis factor-alpha as a proliferative signal for an IL-2-dependent T cell line: strict species specificity of action." <i>J Immunol.</i> 1989 Feb 15; 142(4):1203-8. | |
| Examiner Signature | | | Date Considered |

8/31/05



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| M | C47 | Ranges, G.E., <i>et al.</i> "Tumor necrosis factor alpha/cachectin is a growth factor for thymocytes. Synergistic interactions with other cytokines." <i>J Exp Med.</i> 1988 Apr 1; 167(4):1472-8. | | |
| | C48 | Roodman, G.D., <i>et al.</i> "Tumor necrosis factor-alpha and hematopoietic progenitors: effects of tumor necrosis factor on the growth of erythroid progenitors CFU-E and BFU-E and the hematopoietic cell lines K562, HL60, and HEL cells." <i>Exp Hematol.</i> 1987 Oct; 15(9):928-35. | | |
| | C49 | Rosenberg, S.A., <i>et al.</i> "Use of tumor-infiltrating lymphocytes and interleukin-2 in the immunotherapy of patients with metastatic melanoma. A preliminary report." <i>N Engl J Med.</i> 1988 Dec 22; 319(25):1676-80. | | |
| | C50 | Ruddle, N.H. "Lymphotoxin redux." <i>Immun. Today.</i> 1985; 6:156-9. | | |
| | C51 | Ruddle, N.H., <i>et al.</i> "Cytotoxicity mediated by soluble antigen and lymphocytes in delayed hypersensitivity. I. Characterization of the phenomenon." <i>J Exp Med.</i> 1968 Dec 1; 128(6): 1237-54. | | |
| | C52 | Ruddle, N.H., <i>et al.</i> "The role of lymphotoxin in inflammation." <i>Prog Allergy.</i> 1988; 40:162-82. | | |
| | C53 | Sastry, K.J., <i>et al.</i> "HIV-1 tat gene induces tumor necrosis factor-beta (lymphotoxin) in a human B-lymphoblastoid cell line." <i>J Biol Chem.</i> 1990 Nov 25; 265(33):20091-3. | | |
| | C54 | Schall, T.J., <i>et al.</i> "Molecular cloning and expression of a receptor for human tumor necrosis factor." <i>Cell.</i> 1990 Apr 20; 61(2):361-70. | | |
| | C55 | Scheurich, P., <i>et al.</i> "Immunoregulatory activity of recombinant human tumor necrosis factor (TNF)-alpha: induction of TNF receptors on human T cells and TNF-alpha-mediated enhancement of T cell responses." <i>J Immunol.</i> 1987 Mar 15; 138(6):1786-90. | | |
| | C56 | Shalaby, M.R., <i>et al.</i> "The involvement of human tumor necrosis factors-alpha and -beta in the mixed lymphocyte reaction." <i>J Immunol.</i> 1988 Jul 15; 141(2):499-503. | | |
| | C57 | Sigel, M.B., <i>et al.</i> "Production of antibodies by inoculation into lymph nodes." <i>Methods Enzymol.</i> 1983; 93:3-12. | | |
| | C58 | Smith, C.A., <i>et al.</i> "A receptor for tumor necrosis factor defines an unusual family of cellular and viral proteins." <i>Science.</i> 1990 May 25; 248(4958):1019-23. | | |
| | C59 | Spriggs, D.R., <i>et al.</i> "Tumor necrosis factor expression in human epithelial tumor cell lines." <i>J Clin Invest.</i> 1988 Feb; 81(2):455-60. | | |
| | C60 | Tavernier, J., <i>et al.</i> "Conserved residues of tumour necrosis factor and lymphotoxin constitute the framework of the trimeric structure." <i>FEBS Lett.</i> 1989 Nov 6; 257(2):315-8. | | |
| | C61 | Thomas, H., <i>et al.</i> "Biological approaches to cancer therapy." <i>J Int Med Res.</i> 1989 May-Jun; 17(3):191-204. | | |
| | C62 | Turner, M., <i>et al.</i> "Human T cells from autoimmune and normal individuals can produce tumor necrosis factor." <i>Eur J Immunol.</i> 1987 Dec; 17(12):1807-14. | | |
| | C63 | Tschachler, E., <i>et al.</i> "Human retrovirology: constitutive expression of lymphotoxin (tumor necrosis factor beta) in HTLV-I-infected cell lines." Raven Press, 1990; pp. 105-13. | | |
| C64 | Watanabe-Fukunaga, R., <i>et al.</i> "Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis." <i>Nature.</i> 1992 Mar 26; 356(6367):314-7. | | | |
| C65 | Ware, C.F., <i>et al.</i> "Mechanisms of lymphocyte-mediated cytotoxicity. II. biochemical and serologic identification of a precursor lymphotoxin form (pre-LT) produced by MLC-sensitized human T lymphocytes in vitro." <i>J Immunol.</i> 1981 May; 126(5):1927-33. | | | |
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| M | C66 | Ware, C.F., <i>et al.</i> "Human T cell hybridomas producing cytotoxic lymphokines: induction of lymphotoxin release and killer cell activity by anti-CD3 monoclonal antibody or lectins and phorbol ester." <i>Lymphokine Res.</i> 1986; 5(4):313-24. | | |
| | C67 | Ware, C.F., <i>et al.</i> "Regulation of the CTL lytic pathway by tumor necrosis factor." <i>Cellular Immunity and the Immunotherapy of Cancer</i> . UCLA Symposia on Molecular and Cell Biology, M.T. Lotze and O.J. Finn, Eds., 1990; 135:121-8 (Wiley-Liss Inc., New York). | | |
| | C68 | Ware, C.F., <i>et al.</i> "Expression of surface lymphotoxin and tumor necrosis factor on activated T, B, and natural killer cells." <i>J Immunol.</i> 1992 Dec 15; 149(12):3881-8. | | |
| | C69 | Wysocki, L.J., <i>et al.</i> "Panning" for lymphocytes: a method for cell selection." <i>Proc Natl Acad Sci USA.</i> 1978 Jun; 75(6):2844-8. | | |
| | C70 | Yamanaka, H.I., <i>et al.</i> "Identity of human B-cell line cytotoxic lymphokine with tumor necrosis factor type beta." <i>Proc Natl Acad Sci USA.</i> 1989 Feb; 86(4):1343-7. | | |

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